

# AMT 129 : Engine Repair

**Credits:** 7

**Class Hours:** 14 lecture/lab

**Prerequisites:** "C" or higher in AMT 100.

**Description:** This course will cover shop safety, tools and all components found in the modern internal combustion engine. The course is designed to provide students with an understanding of the fundamental operation and construction of internal combustion engines. Instruction will include theory and laboratory (shop) activities in which students will learn how to inspect, service, maintain, diagnose, and repair automobile engine malfunctions. This course includes live work.

**Semester Offered:** Spring

**Course Student Learning Outcomes (CSLOs):**

1. Demonstrate an understanding of applicable theories of operation and fundamental principles of engine systems.
2. Demonstrate the use reference training materials, use appropriate tools, testing and measuring equipment to diagnose, test, inspect, and perform needed repair/service on engine systems and components.
3. Demonstrate an understanding of personal and environmental safety practices and observe all industry standards of safety.